

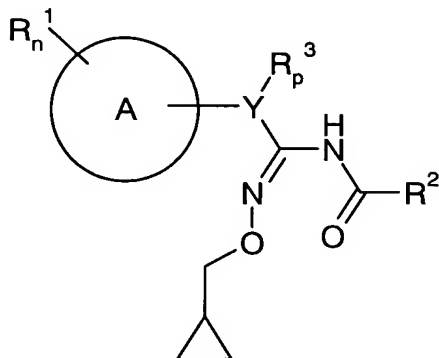
We claim:

1. A benzamidoxime derivative of the formula I

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I

where:

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A is an aryl or hetaryl radical from the group consisting of phenyl, pyridyl and thienyl;

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Y is a straight-chain or branched C<sub>1</sub>-C<sub>4</sub>-alkylene group, where one carbon can be replaced by oxygen, nitrogen or sulfur or by a cyclopropyl group;

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R<sub>n</sub><sup>1</sup> are one to five identical or different radicals from the group consisting of: hydrogen, halogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy, C<sub>1</sub>-C<sub>4</sub>-alkylthio, C<sub>1</sub>-C<sub>4</sub>-alkoxyalkoxy;

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R<sup>2</sup> is phenyl-C<sub>1</sub>-C<sub>6</sub>-alkyl, which may carry one or more substituents selected from the group consisting of halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy and C<sub>1</sub>-C<sub>4</sub>-haloalkoxy on the phenyl ring, or

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is thienyl-C<sub>1</sub>-C<sub>4</sub>-alkyl, which may carry one or more substituents selected from the group consisting of halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy and C<sub>1</sub>-C<sub>4</sub>-haloalkoxy on the thienyl ring, or

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is pyrazolyl-C<sub>1</sub>-C<sub>4</sub>-alkyl, which may carry one or more substituents selected from the group consisting of halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy and C<sub>1</sub>-C<sub>4</sub>-haloalkoxy on the pyrazole ring,

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$R_p^3$  are one to five identical or different radicals from the group consisting of: hydrogen, halogen,  $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -alkoxy,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -haloalkoxy,  $C_1$ - $C_4$ -alkylthio,  $C_1$ - $C_4$ -alkoxyalkoxy,  $C_1$ - $C_6$ -alkylcarbonyl;

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n is 0-5;

p is, depending on the number of free valencies, 0-4.

10 2. A benzamidoxime of the formula I as claimed in claim 1 where A is phenyl.

3. A benzamidoxime of the formula I as claimed in claim 1 where A is pyridyl.

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4. A benzamidoxime of the formula I as claimed in claim 1 or 2 where Y is a carbon.

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5. A benzamidoxime of the formula I as claimed in any of claims 1 - 3 where  $R_n^1$  are one to five identical or different radicals from the group consisting of: hydrogen, halogen,  $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -alkoxy,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -haloalkoxy,  $C_1$ - $C_4$ -alkylthio,  $C_1$ - $C_4$ -alkoxyalkoxy.

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6. A benzamidoxime of the formula I as claimed in any of claims 1 - 4 where

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$R^2$  is phenyl- $C_1$ - $C_6$ -alkyl, which may carry one or more substituents selected from the group consisting of halogen,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -alkoxy and  $C_1$ - $C_4$ -haloalkoxy on the phenyl ring, or

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is thienyl- $C_1$ - $C_4$ -alkyl, which may carry one or more substituents selected from the group consisting of halogen,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -alkoxy and  $C_1$ - $C_4$ -haloalkoxy on the thienyl ring, or

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is pyrazolyl- $C_1$ - $C_4$ -alkyl, which may carry one or more substituents selected from the group consisting of halogen,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -alkoxy and  $C_1$ - $C_4$ -haloalkoxy on the pyrazole ring.

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7. A benzamidoxime of the formula I as claimed in any of claims 1 - 5 where  $R_p^3$  are one or two identical or different radicals from the group consisting of: hydrogen, halogen,  $C_1$ - $C_6$ -alkyl,

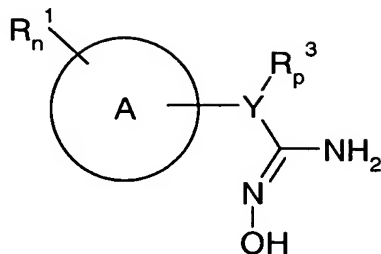
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C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy,  
C<sub>1</sub>-C<sub>4</sub>-alkylthio, C<sub>1</sub>-C<sub>4</sub>-alkoxyalkoxy.

8. A benzamidoxime of the formula I as claimed in claim 7 where  
5 R<sub>p</sub><sup>3</sup> are hydrogen or C<sub>1</sub>-C<sub>4</sub>-alkyl.
9. A benzamidoxime of the formula I as claimed in claim 1 where:
- 10 A is an aryl or hetaryl radical from the group consisting  
of phenyl, pyridyl and thienyl;
- Y is a carbon;
- 15 R<sub>n</sub><sup>1</sup> are one to five identical or different radicals from the  
group consisting of: hydrogen, halogen, C<sub>1</sub>-C<sub>6</sub>-alkyl,  
C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy,  
C<sub>1</sub>-C<sub>4</sub>-alkylthio, C<sub>1</sub>-C<sub>4</sub>-alkoxyalkoxy;
- 20 R<sup>2</sup> is phenyl-C<sub>1</sub>-C<sub>6</sub>-alkyl, which may carry one or more  
substituents selected from the group consisting of  
halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy and  
C<sub>1</sub>-C<sub>4</sub>-haloalkoxy on the phenyl ring, or
- 25 is thienyl-C<sub>1</sub>-C<sub>4</sub>-alkyl, which may carry one or more  
substituents selected from the group consisting of  
halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy and  
C<sub>1</sub>-C<sub>4</sub>-haloalkoxy on the thienyl ring, or
- 30 is pyrazolyl-C<sub>1</sub>-C<sub>4</sub>-alkyl, which may carry one or more  
substituents selected from the group consisting of  
halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy and  
C<sub>1</sub>-C<sub>4</sub>-haloalkoxy on the pyrazole ring,
- 35 R<sub>p</sub><sup>3</sup> are one or two identical or different radicals from the  
group consisting of: hydrogen, halogen, C<sub>1</sub>-C<sub>6</sub>-alkyl,  
C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy,  
C<sub>1</sub>-C<sub>4</sub>-alkylthio, C<sub>1</sub>-C<sub>4</sub>-alkoxyalkoxy;
- 40 n is 0-5;
- p is 0-2.

diff 10. An amidoxime of the formula III

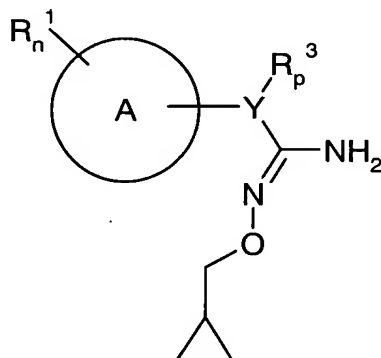
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III

where  $R_n^1$  and  $R_p^3$  are as defined in claim 1.

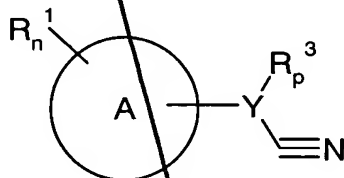
11. An amidoxime derivative of the formula IV



IV

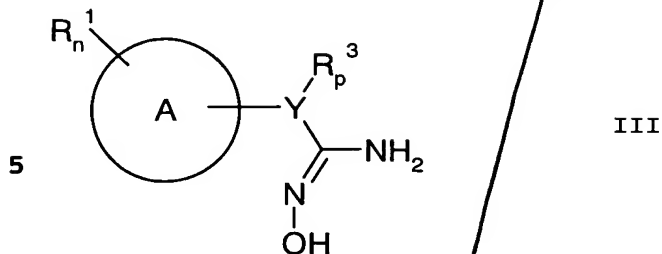
where  $R_n^1$  and  $R_p^3$  are as defined in claim 1.

12. The use of compounds of the formula III as claimed in claim 10 for preparing benzamidoxime derivatives of the formula I.
13. The use of compounds of the formula IV as claimed in claim 11 for preparing benzamidoxime derivatives of the formula I.
14. The use of the benzamidoxime derivatives of the formula I as claimed in claims 1 - 9 for controlling harmful fungi.
15. A process for preparing the benzamidoxime derivatives of the formula I as claimed in any of claims 1 - 9, which comprises reacting benzonitriles of the formula II

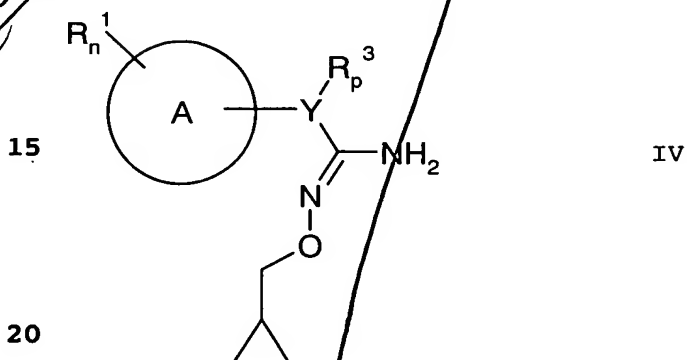


II

with hydroxylamine or salts thereof in aqueous solution, preferably at a pH greater than 8, to give benzamidoximes of the formula III



10 which are then alkylated using a cyclopropylmethyl halide to give benzamidoximes of the formula IV



which are subsequently converted, using an appropriate acyl halide, into benzamidoxime derivatives of the formula I.

- 25 16. An agrochemical composition, comprising a fungicidally effective amount of at least one benzamidoxime derivative of the formula I as claimed in claims 1 - 9 and, if appropriate, agriculturally utilizable auxiliaries or additives.
- 30 17. A method for controlling harmful fungi, which comprises treating the harmful fungi, their habitat or the plants, areas, materials or spaces to be kept free from them with a fungicidally effective amount of a compound of the formula I or a fungicidal composition comprising a benzamidoxime
- 35 derivative of the formula I as claimed in claim 16.

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